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Anti-KAP1/TRIM28 Antibody Picoband® FITC Conjugated

Catalog Number: PB9835-FITC

About TRIM28

Tripartite motif-containing 28 (TRIM28), also known as transcriptional intermediary factor 1beta (TIF1beta) and KAP1 (KRAB-associated protein-1), is a protein that in humans is encoded by the TRIM28 gene. The protein encoded by this gene mediates transcriptional control by interaction with the Kruppel-associated box repression domain found in many transcription factors. The protein localizes to the nucleus and is thought to associate with specific chromatin regions. KAP1 is a ubiquitously expressed protein involved in many critical functions including: transcriptional regulation, cellular differentiation and proliferation, DNA damage repair, viral suppression, and apoptosis. Its functionality is dependent upon post-translational modifications. Phosphorylation of KAP1 acts as a deactivator of the protein in many of its mechanisms while sumoylation acts as an activator.

Overview

Product Name	Anti-KAP1/TRIM28 Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q13263

Technical Details

Immunogen	E.coli-derived human KAP1 recombinant protein (Position: A699-P835). Human KAP1 shares 94.9% amino acid (aa) sequence identity with both mouse and rat KAP1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm

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	Emission Wavelength: 525 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 33385414, Hao Y,Bai S,Peng J,Hong R,Ding J,Li Z,Guan Y.TRIM27-mediated ubiquitination of PPARgamma promotes glutamate-induced cell apoptosis and inflammation.Exp Cell Res.2020 Dec 29:112437.doi:10.1016/j.yexcr.2020. 112437.Epub ahead of print.PMID:33385414.

Visit bosterbio.com/anti-kap1-picoband-trade-antibody-pb9835-boster.html to see all 1 publications.

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